



Climate change and vulnerability of fish farmers in Southwestern Nigeria

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Abstract:

Production systems and livelihoods in South Western Nigeria are at risk of climate variability and change; the fisheries sectors are no exception. The study examined the vulnerability of fish farmers in Ondo and Ekiti States of Nigeria to Climate change. A total of 120 respondents were purposively selected, interviewed and used for data analysis. Result indicated that the fish farmers in Ondo and Ekiti States witnessed unprecedented change in weather conditions as reflected in unusual excessive downpour of rain thus affecting their productivity through flooding. Most of these fish producers were young, mainly males, literates, and experienced fish farmers but relied mainly on personal savings and money borrowed from friends and relatives for fish farming. They practiced the extensive system of fish culture, utilizing local feeds and depended mainly on streams, rivers and rainfall. Fish production is concentrated in wet season. Most farm sizes were below 1 ha, and utilized earthen pond. About 65% experienced flooding with about 61.6% losing within 3501 to 5000 fishes at a time. All categories of fishes were flooded. Majority of the fish farms were not insured by any insurance company while the few that were insured experienced untimely and inadequate compensation, also very few received compensation from the Government. Climate change resulted in low productivity, low income, starvation, poor health as well as poor standard of living of the respondents.

Source: http://www.academicjournals.org/article/article1380812623_Adebo%20and%20Ayelari.pdf

Resource Description

Communication:

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

Other Communication Audience: Fish farmers

Exposure :

weather or climate related pathway by which climate change affects health

Extreme Weather Event, Food/Water Security

Extreme Weather Event: Flooding

Food/Water Security: Fisheries

Climate Change and Human Health Literature Portal

Geographic Feature: ☒

resource focuses on specific type of geography

None or Unspecified

Geographic Location: ☒

resource focuses on specific location

Non-United States

Non-United States: Africa

African Region/Country: African Country

Other African Country: Nigeria

Health Impact: ☒

specification of health effect or disease related to climate change exposure

Malnutrition/Undernutrition

Mitigation/Adaptation: ☒

mitigation or adaptation strategy is a focus of resource

Adaptation

Population of Concern: A focus of content

Population of Concern: ☒

populations at particular risk or vulnerability to climate change impacts

Low Socioeconomic Status, Workers

Resource Type: ☒

format or standard characteristic of resource

Research Article

Timescale: ☒

time period studied

Time Scale Unspecified

Vulnerability/Impact Assessment: ☒

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content